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(FILE 'HOME' ENTERED AT 18:10:02 ON 07 JAN 2002)

FILE 'MEDLINE, BIOSIS' ENTERED AT 18:10:35 ON 07 JAN 2002

L1 433 S HEREGULIN/TI

L2 293 DUP REM L1 (140 DUPLICATES REMOVED)

L3 1761 S HER2

L4 31 S L2 AND L3

L4 ANSWER 24 OF 31 MEDLINE

TI Identification of **heregulin**, a specific activator of p185erbB2.

AU Holmes W E; Sliwkowski M X; Akita R W; Henzel W J; Lee J; Park J W; Yansura D; Abadi N; Raab H; Lewis G D; +

SO SCIENCE, (1992 May 22) 256 (5060) 1205-10.

Journal code: UJ7; 0404511. ISSN: 0036-8075.

AB The proto-oncogene designated erbB2 or **HER2** encodes a 185-kilodalton transmembrane tyrosine kinase (p185erbB2), whose overexpression has been correlated with a poor prognosis in several human malignancies. A 45-kilodalton protein heregulin-alpha (HRG-alpha) that specifically induced phosphorylation of p185erbB2 was purified from the conditioned medium of a human breast tumor cell line. Several complementary DNA clones encoding related HRGs were identified, all of which are similar to proteins in the epidermal growth factor family. Scatchard analysis of the binding of recombinant HRG to a breast tumor cell line expressing p185erbB2 showed a single high affinity binding site [dissociation constant (Kd) = 105 +/- 15 picomolar]. Heregulin transcripts were identified in several normal tissues and cancer cell lines. The HRGs may represent the natural ligands for p185erbB2.

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    (669) HER2 erbB2
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    (24) spondin
    (0) (HER2 erbB2) and spondin
    (11) (HER2 erbB2) and ligand.ti.
    (79) (HER2 erbB2) and ligand.clm.
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DBs | USPAT: DERWENT

☐ Plurals      ☐ Synonyms

Default operator ☐ OR

☒ Highlight all hit terms initially

(HER2 erbB2) and ligand.ti.

 **BRS form**  **ISAR form**  **Image**  **Text**

|    | U                                   | 1                        | Document ID    | Issue Dat | Pages | Title   | Current OR | Current Xr | Retrieval | Inventor           | S                                   | C                        | P                        | 3                        | 2                        |
|----|-------------------------------------|--------------------------|----------------|-----------|-------|---|------------|------------|-----------|--------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 2  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 6075010     | 20000613  |       | Small molecular weight ligand-hexose containin  | 514/23     | 514/24     |           | Theodore, Louis J. | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 6040290     | 20000321  |       | Ligand growth factor op30 that binds to the     | 514/12     | 530/300    |           | Lippman, Marc E.   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 5874528     | 19990223  |       | Binding peptides which interact with ligand or  | 530/317    | 530/328    |           | Lupu, Ruth         | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5  | <input type="checkbox"/>            | <input type="checkbox"/> | US 5869618     | 19990209  | 61    | Antibodies to ligand growth factors             | 530/387.1  | 530/387.7  |           | Lippman, Marc E.   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6  | <input type="checkbox"/>            | <input type="checkbox"/> | US 5578482     | 19961126  | 61    | Ligand growth factors that bind to the erbB-2   | 435/384    | 435/244    |           | Lippman, Marc E.   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7  | <input type="checkbox"/>            | <input type="checkbox"/> | US 2001023241  | 20011224  | 1     | Inducing epithelial cell growth and/or prol     |            | 435/377    |           | IN                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8  | <input type="checkbox"/>            | <input type="checkbox"/> | WO 200102440 A | 20010618  | 1     | Novel fusion polypeptides comprising            |            |            |           | IN                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | WO 200100238 A | 20010611  |       | Treating prostate cancer in a human compr       |            |            |           | IN                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | WO 200059525 A | 20010212  |       | Treatment of pancreatic dysfunction, particular |            |            |           | IN                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | US 6121415     | 20000919  | 59    | New isolated neuregulin related ligand-3 - used |            |            |           | IN                 | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |